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(71) Applicants (for all designated States except US): **ELEC-  
TRONICS AND TELECOMMUNICATIONS RE-  
SEARCH INSTITUTE** [KR/KR]; 161, Gajeong-dong,

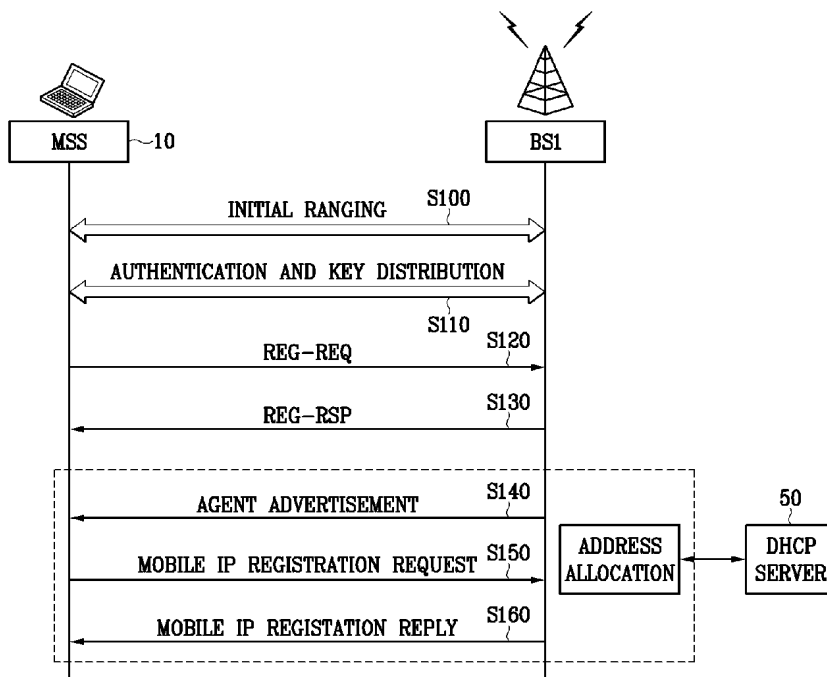
Yuseong-gu, Daejeon 305-350 (KR). **SAMSUNG ELEC-  
TRONICS CO., LTD.** [KR/KR]; 416, Maetan-dong,  
Yeongtong-gu, Suwon-si, Gyeonggi-do 442-742 (KR). **KT  
CORPORATION** [KR/KR]; 206, Jeongja-dong, Bun-  
dang-gu, Seongnam-City, Kyeonggi-do 463-711 (KR).  
**SK TELECOM CO., LTD.** [KR/KR]; 99, Seorin-dong,  
Jongro-gu, Seoul 110-110 (KR). **KTFREETEL CO.,  
LTD.** [KR/KR]; 890-20 Daechi-dong, Gangnam-gu, Seoul  
135-280 (KR). **HANARO TELECOM, INC.** [KR/KR];  
Shindongah Fire & Marine Insurance Building, 43,  
Taepyeongno 2-ga, Jung-gu, Seoul 100-733 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NA, Jee-Hyeon**  
[KR/KR]; Hanvit Apt. 133-1505, Eoeun-dong,  
Yuseong-gu, Daejeon-city 305-755 (KR). **YOON,  
Chul-Sik** [KR/KR]; Daewoo Topia Apt. 1208, Dun-  
san-dong, Seo-gu, Daejeon-city 302-120 (KR). **MOON,  
Jung-Mo** [KR/KR]; 232-14 Neung-dong, Gwangjin-gu,  
Seoul 143-847 (KR). **KIM, Yeong-Jin** [KR/KR]; Nuri  
Apt. 107-1401, Wolpyeong-dong, Seo-gu, Daejeon-city

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(54) Title: METHOD FOR DYNAMIC ADDRESS ALLOCATION USING MOBILE IP IN WIRELESS PORTABLE INTERNET  
SYSTEM



(57) Abstract: In the method for dynamic IP allocation using a mobile IP in a wireless portable Internet system, a MAC message used to register a mobile subscriber station contains a flag including a mobile IP version parameter. Upon checking the mobile IP version, the mobile subscriber terminal transmits a mobile IP registration request message to a base station during MAC connection establishment. The base station transmits a mobile IP registration reply message to the mobile subscriber in response to the received mobile IP registration request message to allocate a dynamic IP address to the mobile subscriber station. The dynamic IP allocation process is performed through a secondary management connection to achieve a rapid handoff without using a connection identifier. In addition, the present invention supports a seamless service and the use of the mobile IP in the IEEE 802.16e wireless

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portable Internet system.



302-280 (KR). AHN, Jee-Hwan [KR/KR]; 149-7 Sin-seong-dong, Yuseong-gu, Daejeon-city 305-345 (KR).

(74) **Agent:** YOU ME PATENT AND LAW FIRM; Seolim Bldg., 649-10 Yoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

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